



**California State Fire Marshal**  
National Fire Incident Reporting System

Data as of: 07/01/2009 1:56:57PM

**FDID Range:**  
0 to No Upper Bound

**Incident Date Range:**  
01/01/2008 to 12/31/2008

**Incident Type:**  
111 to No Upper Bound

**Detector Type:**  
0 to No Upper Bound

### Type of Detection Systems and Power Supplies

<u>Incident Year</u>	<u>Detector Type</u>	<u>Detector Power Supply</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
<b>2008</b>									
	<b>Combination smoke - heat</b>								
		Battery Only	31	\$643,150	\$221,900	0	0	0	0
		Hardwire Only	78	\$6,543,310	\$1,202,883	2	0	0	0
		Hardwire with battery	102	\$8,267,764	\$2,429,621	2	0	2	1
		Multiple detectors and power supplies	8	\$60,650	\$15,805	0	0	0	0
		Plug in with battery	8	\$68,000	\$51,100	0	0	0	0
		Unknown	21	\$691,000	\$237,550	0	0	0	0
		<b>Subtotal</b>	<b>248</b>	<b>\$16,273,874</b>	<b>\$4,158,859</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>1</b>
	<b>Heat</b>								
		Battery Only	5	\$19,000	\$50,900	0	0	1	0
		Hardwire Only	31	\$63,450	\$125,802	0	0	1	0
		Hardwire with battery	13	\$41,550	\$14,010	0	0	0	0
		Mechanical	3	\$0	\$0	0	0	1	0
		Multiple detectors and power supplies	2	\$3,000	\$10,000	0	0	0	0
		Other	1	\$0	\$0	0	0	0	0
		Unknown	8	\$92,600	\$109,250	0	0	0	0
		<b>Subtotal</b>	<b>63</b>	<b>\$219,600</b>	<b>\$309,962</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>
	<b>More than 1 type present</b>								
		Battery Only	5	\$0	\$0	0	0	0	0
		Hardwire Only	37	\$1,754,310	\$549,740	4	0	2	0
		Hardwire with battery	42	\$1,005,700	\$600,525	0	0	1	1

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		Mechanical	1	\$1,000	\$1,000	0	0	0	0
		Multiple detectors and power supplies	42	\$7,314,370	\$305,891	0	0	0	0
		Plug in	1	\$2,000	\$1,000	0	0	0	0
		Plug in with battery	1	\$0	\$0	0	0	0	0
		Unknown	18	\$3,580,850	\$626,111	0	0	0	0
		<b>Subtotal</b>	<b>147</b>	<b>\$13,658,230</b>	<b>\$2,084,267</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>1</b>
	<b>Other</b>								
		Battery Only	10	\$446,000	\$114,100	0	0	0	0
		Hardwire Only	12	\$365,100	\$63,750	0	0	0	0
		Hardwire with battery	17	\$176,501	\$95,301	0	0	0	0
		Mechanical	2	\$3,000	\$8,000	0	0	0	0
		Multiple detectors and power supplies	2	\$5,000	\$15,000	0	0	0	0
		Other	5	\$610,001	\$176,000	0	0	0	0
		Unknown	6	\$62,200	\$12,000	0	0	0	0
		<b>Subtotal</b>	<b>54</b>	<b>\$1,667,802</b>	<b>\$484,151</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Smoke</b>								
		Battery Only	1,781	\$181,881,010	\$131,947,323	25	0	75	10
		Hardwire Only	489	\$11,111,447	\$3,589,581	3	0	24	2
		Hardwire with battery	1,026	\$36,231,031	\$18,289,584	10	0	32	1
		Mechanical	1	\$100	\$100	0	0	0	0
		Multiple detectors and power supplies	66	\$2,040,551	\$837,923	0	0	2	1
		Other	27	\$655,500	\$241,690	0	0	0	0
		Plug in	14	\$529,350	\$111,110	1	0	0	0
		Plug in with battery	51	\$1,781,400	\$775,875	1	0	3	0
		Unknown	438	\$18,481,159	\$6,448,179	13	0	18	1
		<b>Subtotal</b>	<b>3,893</b>	<b>\$252,711,548</b>	<b>\$162,241,365</b>	<b>53</b>	<b>0</b>	<b>154</b>	<b>15</b>
	<b>Sprinkler, water flow detection</b>								
		Battery Only	5	\$80,000	\$20,050	0	0	0	0
		Hardwire Only	53	\$396,500	\$824,301	0	0	2	1
		Hardwire with battery	44	\$1,302,200	\$608,910	1	0	0	0

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		Mechanical	21	\$98,600	\$332,701	0	0	0	0
		Multiple detectors and power supplies	18	\$162,800	\$183,400	0	0	0	0
		Other	7	\$160,500	\$501,500	0	0	0	0
		Plug in with battery	1	\$500	\$500	0	0	0	0
		Unknown	33	\$1,074,451	\$895,400	2	0	1	0
		<b>Subtotal</b>	<b>182</b>	<b>\$3,275,551</b>	<b>\$3,366,762</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>
	<b>Undetermined</b>								
		Battery Only	31	\$1,452,300	\$305,802	0	0	0	0
		Hardwire Only	25	\$933,251	\$154,461	2	0	3	0
		Hardwire with battery	30	\$2,341,901	\$1,071,600	0	0	1	0
		Mechanical	1	\$200	\$50	0	0	0	0
		Multiple detectors and power supplies	1	\$750,000	\$1,000,000	0	0	0	0
		Plug in	3	\$920	\$1,220	0	0	0	0
		Plug in with battery	2	\$100,100	\$50,200	0	0	1	0
		Unknown	371	\$20,154,283	\$8,807,068	10	0	21	5
		<b>Subtotal</b>	<b>464</b>	<b>\$25,732,955</b>	<b>\$11,390,401</b>	<b>12</b>	<b>0</b>	<b>26</b>	<b>5</b>
<b>2008</b>	<b>Total</b>		<b>5,051</b>	<b>\$313,539,560</b>	<b>\$184,035,767</b>	<b>76</b>	<b>0</b>	<b>191</b>	<b>23</b>
	<b>Grand Total</b>		<b>5,051</b>	<b>\$313,539,560</b>	<b>\$184,035,767</b>	<b>76</b>	<b>0</b>	<b>191</b>	<b>23</b>

The data contained in this report comes from the State Fire Marshal's California All Incident Reporting System (CAIRS) data warehouse. Property and contents loss figures, if included herein, are estimates only. These emergency incident statistics, including injury and death counts, are based only upon information submitted to the State Fire Marshal by participating California fire departments. Please note that apparent variations in incident counts and associated losses shown in this report may be solely due to fluctuations in the amount of data submitted to the State Fire Marshal. And while the incoming data is validated according to logical data rules, individual data elements are not always verified for accuracy.